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United States Patent  
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## SHOES – A NEW DESIGN

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### ABSTRACT

A new design, applicable to most shoe types, having 4 isolated, compressible Rubber cushions as the only contact points with the ground. These cushions are Attached to an overlying flexible skeleton, made of a durable but bendable Support structure. The 'skeleton' in turn is affixed to an overlying compressible 'mattress'. This entire structure, consisting of compressible mattress, skeleton, and cushions duplicates the arch of the foot.

Under the force of walking, running, etc. the rubber cushions will compress to Absorb the force of the step. The overlying skeleton will also absorb energy by Bowing convex downward at the toes, middle, and heel of the foot. Similarly, the Air space of the overlying mattress will also be compressed, absorbing pressure.

Upon lifting the foot, the opposite actions will occur, releasing energy in an Upward and forward direction, and thereby both lifting and propelling the foot.

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